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Attorney Docket No. 2004367-0031

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Winterbottom, et al.

Examiner:

To be assigned

Serial No.:

10/735,135

Art Unit:

1644

Filing Date:

December 12, 2003

Title:

FORMABLE AND SETTABLE POLYMER BONE COMPOSITE

AND METHOD OF PRODUCTION THEREOF

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450 Sir:

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the Untied States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on September 2, 2004.

Susan M. Dinsmore

STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants request consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

(Select A, B, C or D below)

- A.[X] This Information Disclosure Statement has been filed:
 - 1.[] within three months of the filing date of the above identified U.S. Patent application other than a continued prosecution application under § 1.53(d);
 - 2.[] within three months of the filing date of the entry of the National Stage, as set forth in 37 C.F.R. §1.491, in an International application;

- 3.[X] before the mailing date of the first Office Action on the merits in the above-identified application; or
- 4.[] before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

No fee or certification is required.

B.[] This Information Disclosure Statement has been filed more than three months after the filing date of the present application and after the mailing date of the first Office Action, but before the mailing date of any of a final action under 37 C.F.R. §1.113, a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application, and:

(check 1 or 2 below)

- 1.[] Please charge the \$180 fee under 37 C.F.R. §1.17(p) to our deposit account 03-1721, OR
- 2.[] The Applicants hereby certify, as specified in 37 C.F.R. §1.97(e), that (check a or b below)
 - a.[] each item of information contained in this (Supplemental) Information
 Disclosure Statement was first cited in any communication from a foreign
 Patent Office in a counterpart foreign application not more than three months prior to the filing of the (Supplemental) Information Disclosure
 Statement; or
 - b.[] no item of information contained in this (Supplemental) Information

 Disclosure Statement was cited in a communication from a foreign patent
 office in a counterpart foreign application, and, to the knowledge of the
 person signing the certification after making reasonable inquiry, no item
 of information contained in the (Supplemental) Information Disclosure
 Statement was known to any individual designated in 37 C.F.R. §1.56(c)
 more than three months prior to the filing of this Statement.

- C. [] This Information Disclosure Statement has been filed after the mailing date of either a Final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311 and on or before payment of the Issue Fee.
 - 1. The Applicants hereby certify, as specified in 37 C.F.R. §1.97(e), that:
 - a. [] each item of information contained in this (Supplemental) Information
 Disclosure Statement was first cited in any communication from a foreign
 Patent Office in a counterpart foreign application not more than three
 months prior to the filing of the (Supplemental) Information Disclosure
 Statement; or
 - b.[] no item of information contained in this (Supplemental) Information

 Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the (Supplemental) Information Disclosure Statement was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Statement; AND
 - 2. The Petition Fee of \$180 as set forth in 37 C.F.R. §1.17(p) is enclosed.
- D.[] This Information Disclosure Statement does not comply with any of the provisions set forth above, or is being submitted after the payment of the issue fee; however, Applicants respectfully request that the Statement be placed in the above-referenced file.

PART II - 37 CFR § 1.98 Content of Information Disclosure Statement:

(Select A and B, and optionally C and/or D)

[X] A. Applicant hereby makes of record in the above-identified application all patents, publications, applications or other information submitted for consideration by the Office listed on the attached form PTO-1449 (modified). The order of presentation of the patents, publications, applications or other information should not be construed as an indication of the importance. Applicants have provided a legible copy of:

each U.S. patent application publication; each U.S. foreign patent;

each publication or that portion which caused it to be listed;

each pending U.S. application (including the application specification including the claims and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion); and

other information or that portion which caused it to be listed.

Alternatively, if a written English-language translation of a non-English-language document, or portion thereof, if within the possession, or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation is provided herein as identified:

[]	B.	The Applicants hereby make the following additional information of record in the			
above-identified application:					
[]	C.	Applicant has not provided copies of those references indicated by an asterick			
because, in accordance with 37 CFR §1.98(d) each of them was previously cited in					
USSN		, which is identified herein and is relied upon for an earlier effective filing			
date under 35 USC §120.					

PART IV: Remarks

A copy of each of the above-identified U.S. and foreign patent(s), publication(s), application(s) or other information submitted is enclosed unless otherwise indicated on the attached form PTO-1449 (modified). It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information been fully considered by the Patent and Trademark Office during the examination of this application; and
- 3. The citations for the patent(s), publication(s), application(s), or other information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, Applicants make no representation that a search has been performed, of the extent of any search performed, or that more material information may not exist.

By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by Applicants, the Examiner is urged to form his or her own conclusions regarding the relevance of the cited materials. An early and favorable action is hereby requested.

Respectfully submitted,

Valarie B. Rosen, Ph.D. Registration. No. 45,698

Choate, Hall & Stewart Exchange Place 53 State Street Boston, MA 02109 (617) 248-5000

Date: September 2, 2004

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Form PTO-1449 U.S. Department of Commerce			Atty. Docket:	In re Application No.	
(Modified)	SEP 0 7 2004 Patent a	2004367-0031	10/735,135		
INFORMATION DESCLOSURE STATEMENT (Use several process if necessary)			Applicant: Winterbottom, et al.		
			Filing Date: December 12, 2003	Group:	
U.S. PATENT	DOCUMENTS				
Examiner's Initials	U.S. Patent No.	Applicant	Issue Date	Class	Subclass
	3,892,649	Phillips, et al.	July 1, 1975	204	181
· · · · · · · · · · · · · · · · · · ·	3,949,073	Daniels, et al.	April 6, 1976	424	177
<u> </u>	4,183,874	Fan, et al.	January 15, 1980	525	100
	4,551,156	Li	November 5, 1985	55	16
	4,645,503	Lin, et al.	February 24, 1987	623	16
	4,783,504	St. Clair, et al.	November 8, 1988	525	72
	5,162,445	Powers, et al.	November 10, 1992	525	333.4
	5,246,782	Kennedy, et al.	September 21, 1993	428	421
	5,262,461	Serizawa, et al.	November 16, 1993	524	262
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*72	5,846,484	Scarborough, et al.	December 8, 1998	422	28
	5,948,386	Katti, et al.	September 7, 1999	424	1.77
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INFORMA	TION DISCLOSUR	Applicant: Winterbottom, et al.										
(Use several sheets if necessary)			Filing Date: December 12, 2003	Group:								
U.S. PATENT A	PPLICATIONS											
Examiner's Initials:	Serial Number:	Applicant:	Filing Date:	Group:	Art Unit:							
	US2002/0098222	Wironen, et al.	July 25, 2002	424	423							
	10/639,912	Shimp, et al.	August 12, 2003		1615							
	10/681,651	Shimp, et al.	October 8, 2003		1615							
EODELON DATE	ENTE DOCUMENTE											
Examiner's	Document No.	Country	Date	Translation								
Initials	Bootiment 1vo.	Country	Butto	Yes	No							
	WO 98/19718	PCT	14 May 1998									
•			and the second									
OTHER DOCUM	MENTS											
Examiner's Citation (Including Author, Title, Date, Pertinent Pages, Etc.) Initials												
	International Search	Report for PCT/US03/2	5417.									
International Search Report for PCT/US03/39704.												
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Boesch, P., "Bone Grafting with Fibrin Glue", Wiener Klinische Wochenschroft Supplementum, 93, No. 124, pp. 3-26, 1981.												
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							Simmons, D.M., et al., "Evaluation of collagen cross-linking techniques for the stabilization of tissue matrices", <i>Biotechnol. Appl. Biochem.</i> 17, 23-29 (1993) (abstract only).					
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INFORMA	TION DISCLOSURE STATEMENT	Applicant: Winterbottom, et al.				
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	The State University of New Jersey, (January, 1999).					
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Zhiyuan Zhong, et al., "Calcium methoxide initiated ring-opening polymerization of ε-caprolactone and L-lactide", <i>Polymer Bulletin</i> 46, 51-57 (2001).			merization of ε-			
EXAMINER		DATE CONSIDE	RED			
EXAMINER: In	itial if citation considered, whether or not citati	on is in conformance with	n MPEP 609; Draw line			

through citation if not in conformance and not considered. Include copy of this form with next communication to

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applicant.